INTELLIGENT WORKSTATION SIMULATION - CLIENT VIRTUALIZATION

ABSTRACT OF THE INVENTION

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A network client simulation tool that virtualizes multiple clients from a single network entity. The simulation tool builds LAN frames of protocol stack level 2, which represent data originating from multiple clients to simulate traffic from multiple clients. It also provides a method for inserting the level 2 LAN frames built onto a physical LAN for actual delivery to a system being tested for simulating real client LAN traffic environment. LAN frames in the present invention are inserted at level 2, data link layer of a protocol stack by employing a novel split bridge which receives client requests and adds bridge routing information to emulate incoming multiple client requests having different client addresses.